

**Autumnwood ESH Consultants, LLC**

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6 June 2016

Mr. John Nordine
U.S. EPA Region 5
RCRA Enforcement and Compliance Assurance Branch (LU-9J)
77 West Jackson Boulevard
Chicago, Illinois 60604

Re: Central Wire, Union, Illinois RCRA CMI Monthly Progress Report for May 2016

Dear Mr. Nordine:

Enclosed please find the RCRA CMI Monthly Progress Report for the Central Wire facility located in Union, Illinois for May 2016.

The electronic Discharge Monitoring Report (eDMR) for the groundwater pump and treat facility and the laboratory analytical report, which includes the effluent data used in the eDMR, are also attached to this report.

If you have any comments or questions regarding the progress of this project, please contact me at (262) 237-1130.

Sincerely,

Autumnwood ESH Consultants, LLC

John W. Thorsen, P.E.

JWT:jt

encl

cc:	Joyce Munie	IEPA
	Robert Kay	USGS
	Gerald W. Ruopp	Central Wire
	Robert Johnson	Central Wire

MONTHLY PROGRESS REPORT
Central Wire Union, Illinois Site
May 2016

1. **Progress Made This Reporting Period** – This reporting period Central Wire continued the operation and maintenance of the groundwater extraction and treatment system. Central Wire treated an average of 632,000 gallons per day with a maximum daily flow of 636,000 gallons per day and met effluent limitations for pH, 1,1,1-Trichloroethane (TCA), Trichloroethene (TCE) and Tetrachloroethene (PCE). The electronic Discharge Monitoring Report (eDMR) for May 2016 is attached to this report.

The laboratory analytical report for the pump and treat effluent noted that the groundwater pump & treat effluent samples were collected on May 12 and arrived at the lab on May 13, 2016 at 0.4° C.

The summary of the irrigation pumping hours are summarized in Table 1, below.

Table 1
Summary of 2016 Irrigation Pumping Hours per Week at Ex. 6 Personal Privacy (PP)
(April 25 through May 31, 2016)

Date of Hour Meter Reading	Ex. 6 Personal Privacy (PP)			
	Hour Meter Reading	Hours Pumped	Hour Meter Reading	Hours Pumped
4/25//2016	5874	0	3658	0
5/2/2016	5876	2	3663	5
5/9/2016	5876	0	3664	1
5/16/2016	5876	0	3664	0
5/23/2016	5881	5	3693	29
5/31/2016	5881	0	3706	13
Totals		7		48

In May 2016, Central Wire personnel downloaded the data logger in the field to a laptop computer and reinserted that same data logger in monitoring well DGW-2I.

The groundwater level monitoring data from downgradient monitoring well DGW-2I for May 2016, the May 2016 precipitation and irrigation well pumping over the month have been graphed / plotted and are attached to this report as Table 2. The depth to water from the top of casing in DGW-2I on May 31, 2016 at 1204 hours was 5.70 feet. The data logger is 30.25 feet below the top of casing; therefore, there was 24.55 feet of water above the data logger on May 31, 2016 (see line 2805 of the attached Table 2 Groundwater Level – Precip – 5-2016.xlsx file).

The groundwater elevation in May 2016 reached its highest level on May 15 at 816.314 feet above mean sea level and its low on May 27 at 815.345 feet above mean sea level for a variance of 0.969 feet over the month.

2. **Summary of Validated Data and Results** –The permit limitations and May analytical results are shown in Table 3, below.

Table 3
Central Wire Union Illinois Pump & Treat Discharge Analytical Results

Parameter	Effluent Limitation (Daily Maximum), µg/L	May 2016 Analytical Results, µg/L
1,1,1-Trichloroethane	20	< 0.38
Tetrachloroethene	20	< 0.37
Trichloroethene	20	< 0.16

The May NPDES analytical report is attached to this Monthly Progress Report.

This report also has environmental analytical results for the North Pond and South Pond. These ponds are Illinois EPA-regulated seepage ponds for Central Wire's rinse waters from the annealing process, non-contact cooling water, boiler blowdown and storm water.

3. **Upcoming Events/Activities Planned** – Central Wire will continue to operate the existing remediation systems. Effluent samples will be collected, analyzed and reported as required in our NPDES permit.

The flow has been decreasing in extraction well 2 as a result of screen biofouling. Central Wire plans to have the well cleaned, air bursted, then pump one tanker truck with the water and solids from the well rehabilitation for treatment and disposal. Central Wire plans to do this as soon as we can get a competitive bid on the project.

Central Wire plans on implementing the work outlined in the revised and approved "2016 RCRA CMI Field Investigation Work Plan" beginning on June 6, 2016.

4. **Anticipated Problem Areas and Recommended Solutions** – None.
5. **Key Personnel Changes** – None.
6. **Target and Actual Completion Dates** – This project has not deviated from the project schedule.